

# FASTBUS COOLING

## MODEL FB8151 9-FAN SMART MODULAR AIR COOLING SYSTEM FOR FASTBUS

### FEATURES

- Modular design for easy maintenance, serviceability, and interchangeability
- Aluminum honeycomb for shielding effectiveness and columniation of air flow
- Air Filter tray can be removed during blower operation
- Built-in cable tray with cable retainers
- Durable construction offers increased reliability
- Cools even a partially empty crate

### OPTIONAL SMART FEATURES

- Logic circuitry for reliable system integration
- sensor controlled cooling
- Self monitoring system assures reliable cooling

### APPLICATIONS

All FastBus cooling needs, especially those where highly reliable and intelligent cooling is required.

### GENERAL DESCRIPTION

The Bi Ra Model FB8151 is a 19" rack mounted cooling unit designed for FastBus data acquisition systems. The modular design (Blower and filter module) makes maintenance and servicing easy. The 9-fan blower module (rated at 1008 CFM combined) can be interchanged and replaced without disconnecting the system, allowing for short down time in the event of a fan failure. The air filter module removes independently from inside the blower module to allow user to clean or replace air filter while system is operating. Aluminum hex-cell honeycomb material is incorporated into the blower chassis to columnate air flow and shield fans. Bottom panel can support and direct cables to the rear of the unit.

### GENERAL DESCRIPTION of OPTIONAL SMART FEATURES

The Bi Ra Model FB8151 smart blower has logic circuitry for intelligent control and can detect and report various system conditions. The following options are available:

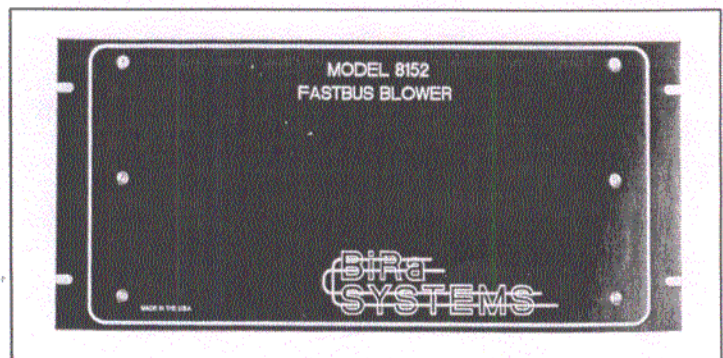
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| 1) FAN FAILURE-       | Alarm circuit visually indicates fan failure by LED display on front panel. Alarm outputs can drive signal to FastBus power supply (Bi Ra Model 8189) to shut down entire FastBus system. |
| 2) FAN SPEED CONTROL- | Thermal sensors mounted on FastBus Crate (Bi Ra Model FB8127-R3) control automatic increase/decrease of fan speed. Thermal sensors are mounted in air stream of FastBus Crate.            |

### MECHANICAL SPECIFICATIONS

Dimensions: 19" rack mounted, 5U (8.75") height, 22.5" depth

### MODEL FB8152

The Bi Ra Model FB8152 is a 19" rack mounted cooling unit is intended to be used with any crate requiring a high volume of air over a large area. Due to its unique design in utilizing two hex-cell honeycombs to straighten and columnate the air provided by the two large fans (rated at 680 CFM combined), the FB8152 can cool even a partially empty crate.



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